



S/N 09/407,650

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|             |                          |                 |                     |
|-------------|--------------------------|-----------------|---------------------|
| Applicant:  | Mansour et al.           | Examiner:       | Lewis, Cheryl Renea |
| Serial No.: | 09/407,650               | Group Art Unit: | 2177                |
| Filed:      | September 28, 1999       | Docket No.:     | 40062.0007US01      |
| Title:      | DATABASE CLEAN-UP SYSTEM |                 |                     |

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SUPPLEMENTAL DECLARATION OF PETER MANSOUR

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RECEIVED**

JUN 24 2004

**Technology Center 2100**

Dear Sir:

I, Peter Mansour, do hereby further declare as follows:

1. I am a co-inventor of the subject matter of the above-identified patent application.
2. I am providing this Declaration to provide my sworn testimony of when we actually conceived and reduced to practice the invention as claimed in this utility patent application.
3. I understand that the Examiner has cited Noren *et al.* (U.S. Patent No. 6,446,091) (hereinafter "Noren") as prior art in support of the rejection of all of the claims in the above-identified patent application. I understand that the corresponding U.S. Patent Application was filed with the U.S.P.T.O. on July 29, 1999.
4. I further understand that the original filing date of our present patent application Serial No. 09/407,650 is September 28, 1999.

5. I state that before the filing date of the Noren patent application, that is before July 29, 1999, we invented the subject matter described and claimed in the present patent application.

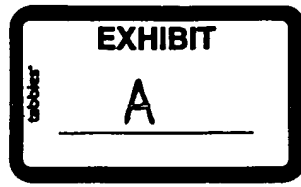
6. Attached as Exhibit A hereto is a document entitled "Summary of Invention Disclosure Meeting." I state that this document summarizes an invention disclosure meeting with my patent attorney and describes subject matter claimed in the present patent application. This document was created before the filing date of the Noren patent application, that is before July 29, 1999.

7. I further state that, as noted in the document attached as Exhibit A, a product embodying the subject matter claimed in the present patent application was released prior to the filing date of the Noren patent application, but less than one year before the filing date of the present application.

8. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 6/3/2004

R Sherman  
Roman Sherman



Patent

MS#128825.1

**SUMMARY OF INVENTION DISCLOSURE MEETING  
"WINDOWS CE INBOX CLEANUP FOR TRUE HIERARCHICAL DATABASES"  
MERCHANT & GOULD, P.C.**

1. MERCHANT & GOULD REFERENCE NO.

M&G 40062.7-US-01

Redacted

3. NAMES OF INVENTORS INITIALLY IDENTIFIED

Peter Mansour  
Roman Sherman

4. BRIEF SUMMARY OF THE INVENTION

Handheld computers are mobile and are often used as secondary client devices. Usually, a user will use a primary client device to access their e-mails. One disadvantage of handheld computers is that storage space is limited. A user typically stores e-mails within a folder in a hierarchy. While connected to the server, a user can download e-mails by clicking on the folders the user wishes to download e-mails into. A large number of e-mails may be downloaded by a user as the user parses all or some of the e-mails contained on the server. Prior to this invention, all of the e-mails, that were downloaded, were retained on the handheld computer, even after disconnecting from the server, using up valuable storage space on the handheld computer.

The present invention recaptures some of the storage space used by downloaded e-mails by implementing a cleanup scheme designed for true hierarchical folder and message databases. Under this scheme, a user downloads e-mails in the same fashion as described above by clicking on the desired folders that he wishes to view. When messages are downloaded to a folder, the cleanup algorithm marks the folder with a "need cleanup" flag. If the user wishes to retain the e-mails within any given folder after disconnecting from the server, the user marks the folder for offline use.

Upon disconnect from the server, the cleanup algorithm application of the present invention is implemented on the client device. A disconnect is detected by the system whenever a loss in communication is detected. This may include the user disconnecting from the server through normal protocols, by disconnecting the hard connection to the server, or some other interruption in communication between the client and the server.

The cleanup algorithm application begins at the top of the folder hierarchy. The application only parses folders marked with the "need cleanup" flag. Thus, the application does not need to spend time parsing the folders for which e-mails were not downloaded. If the folder is marked with the "need cleanup" flag, the application checks if the folder is marked for offline use. If the folder is marked for offline use, the application does not delete any messages contained within the folder. If the folder is not marked for offline use, the application deletes the messages contained within the folder from the device but not from the server, recapturing the storage space for other uses. The application continues down the hierarchy of folders in a recursive manner.

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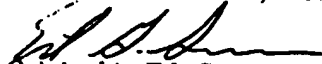
The product has already been released.

**Patent**

**MS#128825.1**

**Redacted**

**MERCHANT & GOULD, P.C.**

  
**Original in File Signed**  
**Erik G. Swenson**